

DATE 3/2/01	SUBMITTER 4/10/01	ENGINEER DC	LOGGED IN KW	TYPE DHC	APP NO. 108250017
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



2899

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

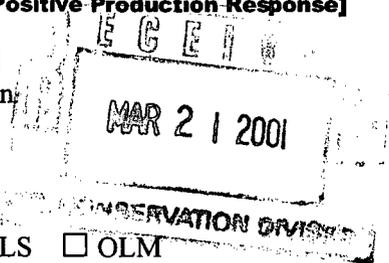
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Certification

I hereby certify that I, or personnel under my supervision, have reviewed the applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common.

I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Peggy Cole

Print or Type Name

Peggy Cole
 Signature

Regulatory Supervisor

Title

Date

pbradfield@br-inc.com
 e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 South First Street, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised May 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APPLICATION TYPE

Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

Burlington Resources Oil and Gas Company P.O.Box 4289 Farmington, New Mexico 87499
Operator Address

Hare 22 N Sec 14, T29N, R10W San Juan
Lease Well No. Unit Letter-Section-Township-Range County

OGRID No. 14538 Property Code 7091 API No. 30-045-23190 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Aztec Pictured Cliffs		Blanco Mesaverde
Pool Code	71280		72319
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	2046'-2078'		3891'-4416'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	135		330
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1179		1272
Producing, Shut-In or New Zone	Producing		Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 1/31/01 Rates: 19 MCFD, 0 BOD, 0.0 BWD	Date: Rates:	Date: 2/28/01 Rates: 9 MCFD, 0.2 BOD, 0.06 BWD
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	To Be Filed After Commingled	Oil Gas	To Be Filed After Commingled

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes No X
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes X No

Are all produced fluids from all commingled zones compatible with each other? Yes X No

Will commingling decrease the value of production? Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes X No

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Michetti TITLE Operations Engineer DATE 3-21-1
nc
TYPE OR PRINT NAME Joe Michetti TELEPHONE NO. (505) 326-9700

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

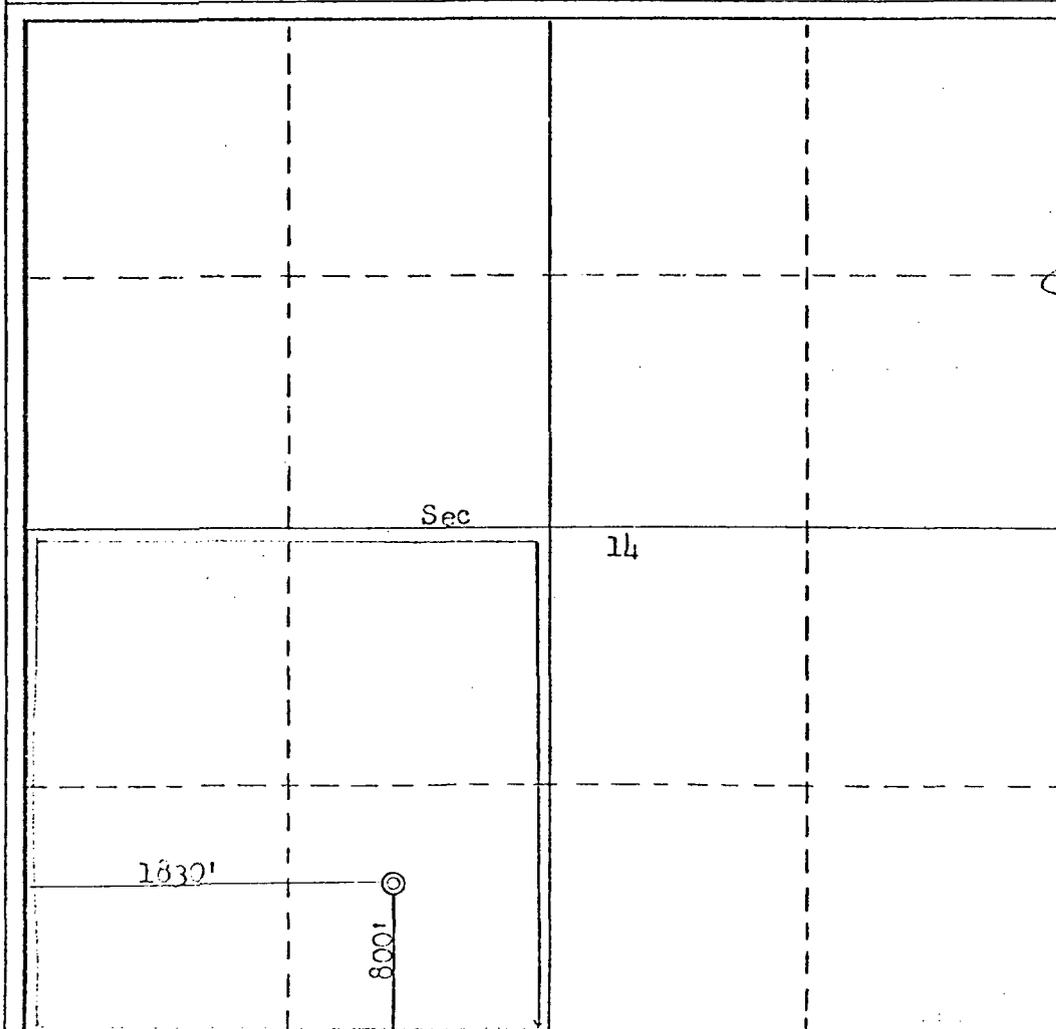
Operator SOUTHLAND ROYALTY COMPANY			Lease HARE		Well No. 22
Unit Letter N	Section 14	Township 29N	Range 10W	County San Juan	
Actual Footage Location of Well: 800 feet from the South line and 1830 feet from the West line					
Ground Level Elev. 5573	Producing Formation Pictured Cliffs		Pool Aztec	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name: [Signature]

Position
District Production Manager

Company
Southland Royalty Company

Date
July 20, 1978

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
May 7, 1978

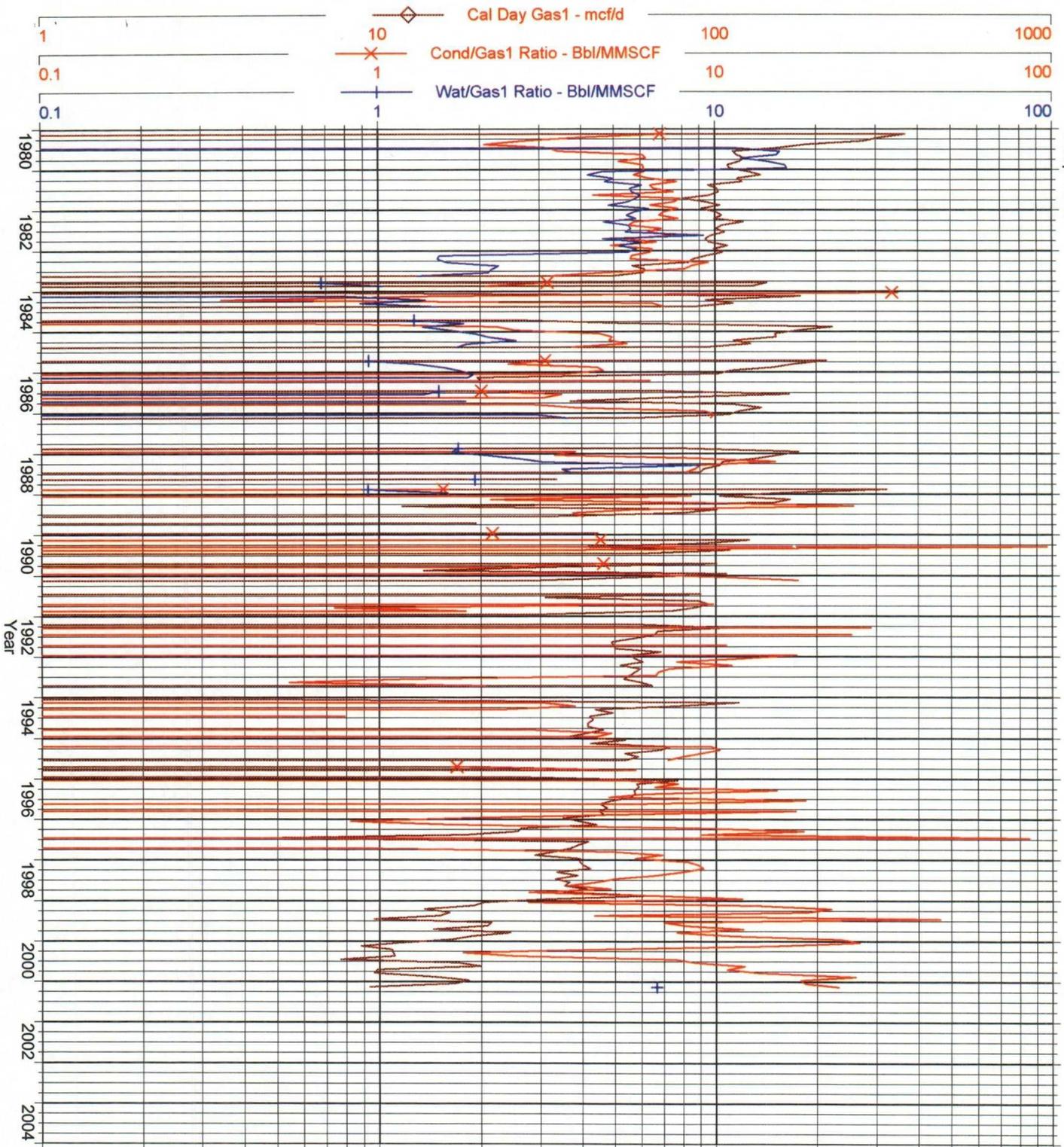
Registered Professional Engineer and/or Land Surveyor
[Signature]
Frederic B. Kerr Jr.

Certificate No. _____

Operator:
 Field:
 Zone:
 Type: Gas
 Group: None

No
 Active
 Forecast

Production Cumms
 Oil: 0 MSTB
 Gas: 490.187 MMSCF
 Water: 1.08874 MSTB
 Cond: 2.77304 MSTB



◆ Cal Day Gas1 - mcf/d
 Cum: 490.187 MMSCF
 * Cond/Gas1 Ratio - Bbl/MMSCF
 Cum: 2.77304 MSTB
 + Wat/Gas1 Ratio - Bbl/MMSCF
 Cum: 1.08874 MSTB

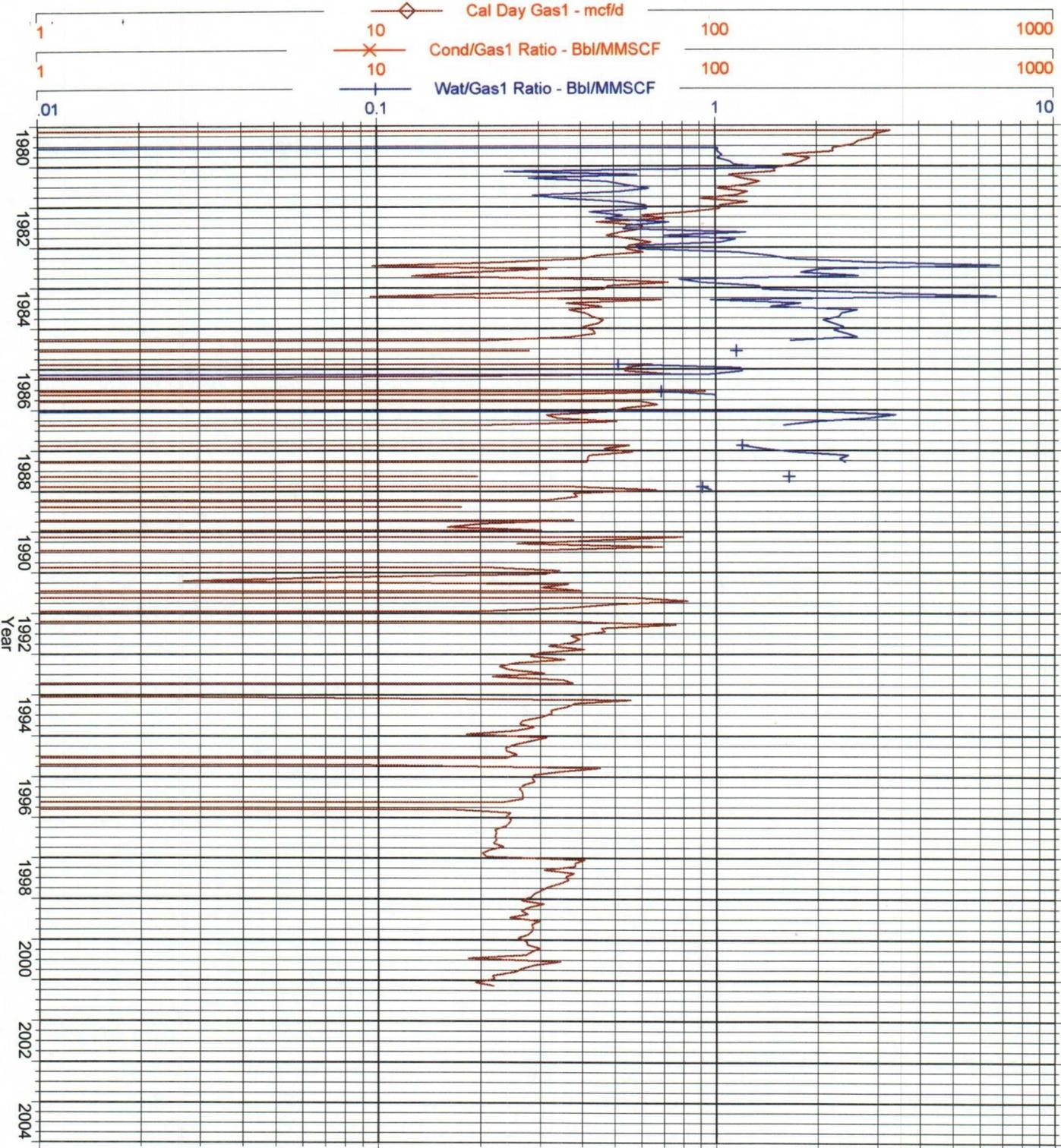
HARE 22 2725602 (283664202083.306) Data: Jan.1979-Feb.2001

Operator:
 Field:
 Zone:
 Type: Gas
 Group: None

No
 Active
 Forecast

Production Cums
 Oil: 0 MSTB
 Gas: 332.755 MMSCF
 Water: 0.183 MSTB
 Cond: 0 MSTB

Cal Day Gas1 - mcf/d
 Cum: 332.755 MMSCF
 Cond/Gas1 Ratio - Bbl/MMSCF
 Cum: 0 MSTB
 Wat/Gas1 Ratio - Bbl/MMSCF
 Cum: 0.183 MSTB



Cumulative Monthly Well Report September 1996 Through March 2001

Select By : Completions

Page No : 1
 Report Number : R_290
 Print Date : 3/19/2001, 10:30:05 AM

Completion	Date	Oil		Gas		Water	
		Current	Cumulative	Current	Cumulative	Current	Cumulative
HARE 22 MV	10/31/1998	142.54	142.54	0.00	0.00	0.00	0.00
	11/30/1998	12.44	154.98	1,911.70	1,911.70	0.00	0.00
	12/31/1998	11.86	166.84	989.19	2,900.89	0.00	0.00
	1/31/1999	1.74	168.58	631.36	3,532.25	0.00	0.00
	2/28/1999	6.94	175.52	528.42	4,060.67	0.00	0.00
	3/31/1999	9.26	184.78	421.56	4,482.23	0.00	0.00
	4/30/1999	8.97	193.75	482.34	4,964.57	0.00	0.00
	5/31/1999	2.02	195.77	466.65	5,431.22	0.00	0.00
	6/30/1999	13.37	209.14	289.21	5,720.43	0.00	0.00
	7/31/1999	4.65	213.80	665.67	6,386.10	0.00	0.00
	8/31/1999	5.23	219.02	644.10	7,030.20	0.00	0.00
	9/30/1999	5.21	224.23	432.34	7,462.54	0.00	0.00
	10/31/1999	5.79	230.01	756.84	8,219.38	0.00	0.00
	11/30/1999	6.37	236.38	564.69	8,784.07	0.00	0.00
	12/31/1999	11.86	248.24	505.87	9,289.94	0.00	0.00
	1/31/2000	9.55	257.79	357.83	9,647.77	0.00	0.00
	2/29/2000	3.76	261.55	254.90	9,902.67	0.00	0.00
	3/31/2000	1.45	263.00	329.40	10,238.94	0.00	0.00
	4/30/2000	0.58	263.57	336.27	10,568.34	0.00	0.00
	5/31/2000	0.87	264.44	343.13	10,911.47	0.00	0.00
	6/30/2000	1.74	266.18	230.39	11,141.86	0.00	0.00
	7/31/2000	4.63	270.81	531.36	11,673.22	0.00	0.00
	8/31/2000	7.52	278.33	617.63	12,290.85	0.00	0.00
	9/30/2000	3.18	281.51	295.09	12,585.94	0.00	0.00
	10/31/2000	4.05	285.56	298.03	12,883.97	0.00	0.00
	11/30/2000	11.28	296.84	434.30	13,318.27	0.00	0.00
	12/31/2000	10.13	306.97	568.61	13,886.88	0.00	0.00
	1/31/2001	9.55	316.52	517.63	14,404.51	0.00	0.00
	2/28/2001	6.06	322.58	261.76	14,666.27	1.74	1.74
	3/31/2001	0.00	322.58	0.00	14,666.27	0.00	1.74
HARE 22 PC	10/31/1998	0.00	0.00	0.00	0.00	0.00	0.00
	11/30/1998	0.00	0.00	864.66	864.66	0.00	0.00
	12/31/1998	0.00	0.00	869.58	1,734.24	0.00	0.00
	1/31/1999	0.00	0.00	817.63	2,551.87	0.00	0.00
	2/28/1999	0.00	0.00	859.78	3,411.65	0.00	0.00
	3/31/1999	0.00	0.00	861.74	4,273.39	0.00	0.00
	4/30/1999	0.00	0.00	791.16	5,064.55	0.00	0.00
	5/31/1999	0.00	0.00	852.92	5,917.47	0.00	0.00
	6/30/1999	0.00	0.00	731.35	6,648.82	0.00	0.00
	7/31/1999	0.00	0.00	927.43	7,576.25	0.00	0.00
	8/31/1999	0.00	0.00	876.45	8,452.70	0.00	0.00
	9/30/1999	0.00	0.00	855.86	9,308.56	0.00	0.00
	10/31/1999	0.00	0.00	878.41	10,186.97	0.00	0.00
	11/30/1999	0.00	0.00	826.45	11,013.42	0.00	0.00
	12/31/1999	0.00	0.00	798.02	11,811.44	0.00	0.00
	1/31/2000	0.00	0.00	848.02	12,659.46	0.00	0.00
	2/29/2000	0.00	0.00	797.04	13,456.50	0.00	0.00
	3/31/2000	0.00	0.00	926.45	14,382.95	0.00	0.00
	4/30/2000	0.00	0.00	848.02	15,230.97	0.00	0.00
	5/31/2000	0.00	0.00	844.10	16,075.07	0.00	0.00
	6/30/2000	0.00	0.00	549.99	16,625.06	0.00	0.00
	7/31/2000	0.00	0.00	1,067.62	17,692.68	0.00	0.00
	8/31/2000	0.00	0.00	898.02	18,590.70	0.00	0.00
	9/30/2000	0.00	0.00	784.29	19,386.76	0.00	0.00
	10/31/2000	0.00	0.00	649.98	20,171.05	0.00	0.00
	11/30/2000	0.00	0.00	679.39	20,821.03	0.00	0.00
	12/31/2000	0.00	0.00	597.04	21,500.42	0.00	0.00
	1/31/2001	0.00	0.00		22,097.46	0.00	0.00

Hare 22
Bottom Hole Pressures
Flowing and Static BHP
Cullender and Smith Method
Version 1.0 3/13/94

Pictured Cliffs	Mesa Verde																																																
<u>PC-Current</u>	<u>MV-Current</u>																																																
<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">GAS GRAVITY</td><td style="text-align: right; border-bottom: 1px solid black;">0.674</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right; border-bottom: 1px solid black;">M</td></tr> <tr><td>%N2</td><td style="text-align: right; border-bottom: 1px solid black;">0.19</td></tr> <tr><td>%CO2</td><td style="text-align: right; border-bottom: 1px solid black;">0.75</td></tr> <tr><td>%H2S</td><td style="text-align: right; border-bottom: 1px solid black;">0</td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right; border-bottom: 1px solid black;">6.456</td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right; border-bottom: 1px solid black;">2062</td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right; border-bottom: 1px solid black;">60</td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right; border-bottom: 1px solid black;">94</td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right; border-bottom: 1px solid black;">0</td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right; border-bottom: 1px solid black;">128</td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right; border: 1px solid black;">134.5</td></tr> </table>	GAS GRAVITY	0.674	COND. OR MISC. (C/M)	M	%N2	0.19	%CO2	0.75	%H2S	0	DIAMETER (IN)	6.456	DEPTH (FT)	2062	SURFACE TEMPERATURE (DEG F)	60	BOTTOMHOLE TEMPERATURE (DEG F)	94	FLOWRATE (MCFPD)	0	SURFACE PRESSURE (PSIA)	128	BOTTOMHOLE PRESSURE (PSIA)	134.5	<table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">GAS GRAVITY</td><td style="text-align: right; border-bottom: 1px solid black;">0.745</td></tr> <tr><td>COND. OR MISC. (C/M)</td><td style="text-align: right; border-bottom: 1px solid black;">M</td></tr> <tr><td>%N2</td><td style="text-align: right; border-bottom: 1px solid black;">0.45</td></tr> <tr><td>%CO2</td><td style="text-align: right; border-bottom: 1px solid black;">0.6</td></tr> <tr><td>%H2S</td><td style="text-align: right; border-bottom: 1px solid black;">0</td></tr> <tr><td>DIAMETER (IN)</td><td style="text-align: right; border-bottom: 1px solid black;">4.052</td></tr> <tr><td>DEPTH (FT)</td><td style="text-align: right; border-bottom: 1px solid black;">4154</td></tr> <tr><td>SURFACE TEMPERATURE (DEG F)</td><td style="text-align: right; border-bottom: 1px solid black;">60</td></tr> <tr><td>BOTTOMHOLE TEMPERATURE (DEG F)</td><td style="text-align: right; border-bottom: 1px solid black;">128</td></tr> <tr><td>FLOWRATE (MCFPD)</td><td style="text-align: right; border-bottom: 1px solid black;">0</td></tr> <tr><td>SURFACE PRESSURE (PSIA)</td><td style="text-align: right; border-bottom: 1px solid black;">295</td></tr> <tr><td>BOTTOMHOLE PRESSURE (PSIA)</td><td style="text-align: right; border: 1px solid black;">329.9</td></tr> </table>	GAS GRAVITY	0.745	COND. OR MISC. (C/M)	M	%N2	0.45	%CO2	0.6	%H2S	0	DIAMETER (IN)	4.052	DEPTH (FT)	4154	SURFACE TEMPERATURE (DEG F)	60	BOTTOMHOLE TEMPERATURE (DEG F)	128	FLOWRATE (MCFPD)	0	SURFACE PRESSURE (PSIA)	295	BOTTOMHOLE PRESSURE (PSIA)	329.9
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Hare 22
Unit N, Sec. 14, T29N R10W
San Juan County, New Mexico

Production Allocation Based On Cumulative Production Through 12/2000

	Cumulative Production		% Allocation	
	MMSCF	MSTB	% Gas	% Oil
Mesa Verde	489	2.76	60%	100%
Pictured Cliffs	332	0.00	40%	0%
Total	821	2.76	100%	100%

Gas Allocation:

Mesa Verde (Total Mesa Verde Production) 489 MMSCF

 (Total Combined Production) 821 MMSCF = **60%**

Pictured Cliffs (Total Pictured Cliffs Production) 331.548 MCF

 (Total Combined Production) 820.956 MMSCF = **40%**

Oil Allocation:

Mesa Verde (Total Mesa Verde Production) 3 MSTB of Oil

 (Total Combined Production) 3 MSTB of Oil = **100%**

Pictured Cliffs (Total Pictured Cliffs Production) 0 MSTB of Oil

 (Total Combined Production) 3 MSTB of Oil = **0%**

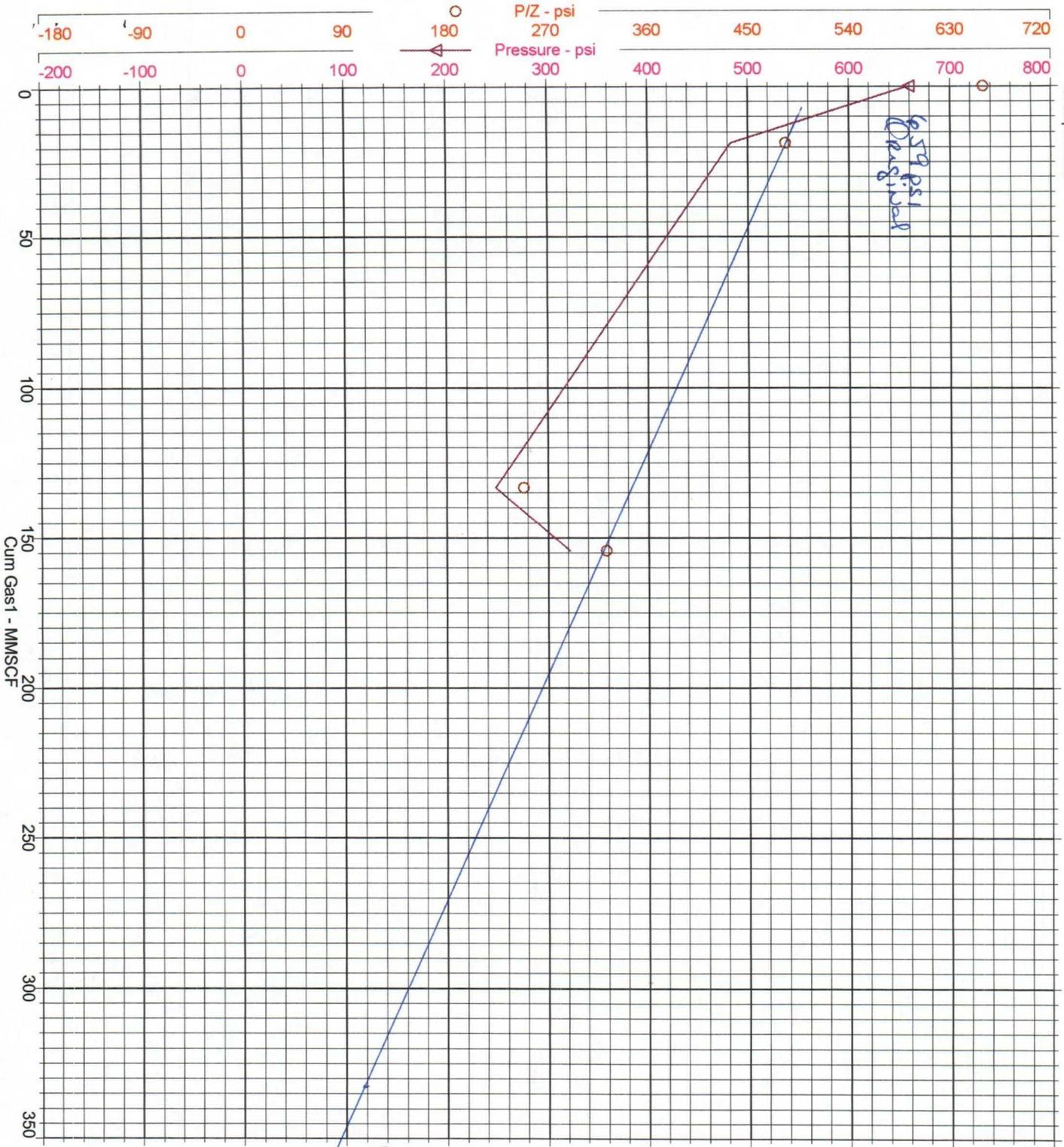
HARE 22 2725602 (283664202083.306) Date: Jan. 1979-Feb. 2001

Operator: *Proved Case*
Field:
Zone:
Type: Gas
Group: None

No
Active
Forecast

Production Cums
Oil: 0 MSTB
Gas: 332.755 MMSCF
Water: 0.183 MSTB
Cond: 0 MSTB

○ P/Z - psi
Cum: 0
—△— Pressure - psi
Cum: 0



659 psi
(Original)

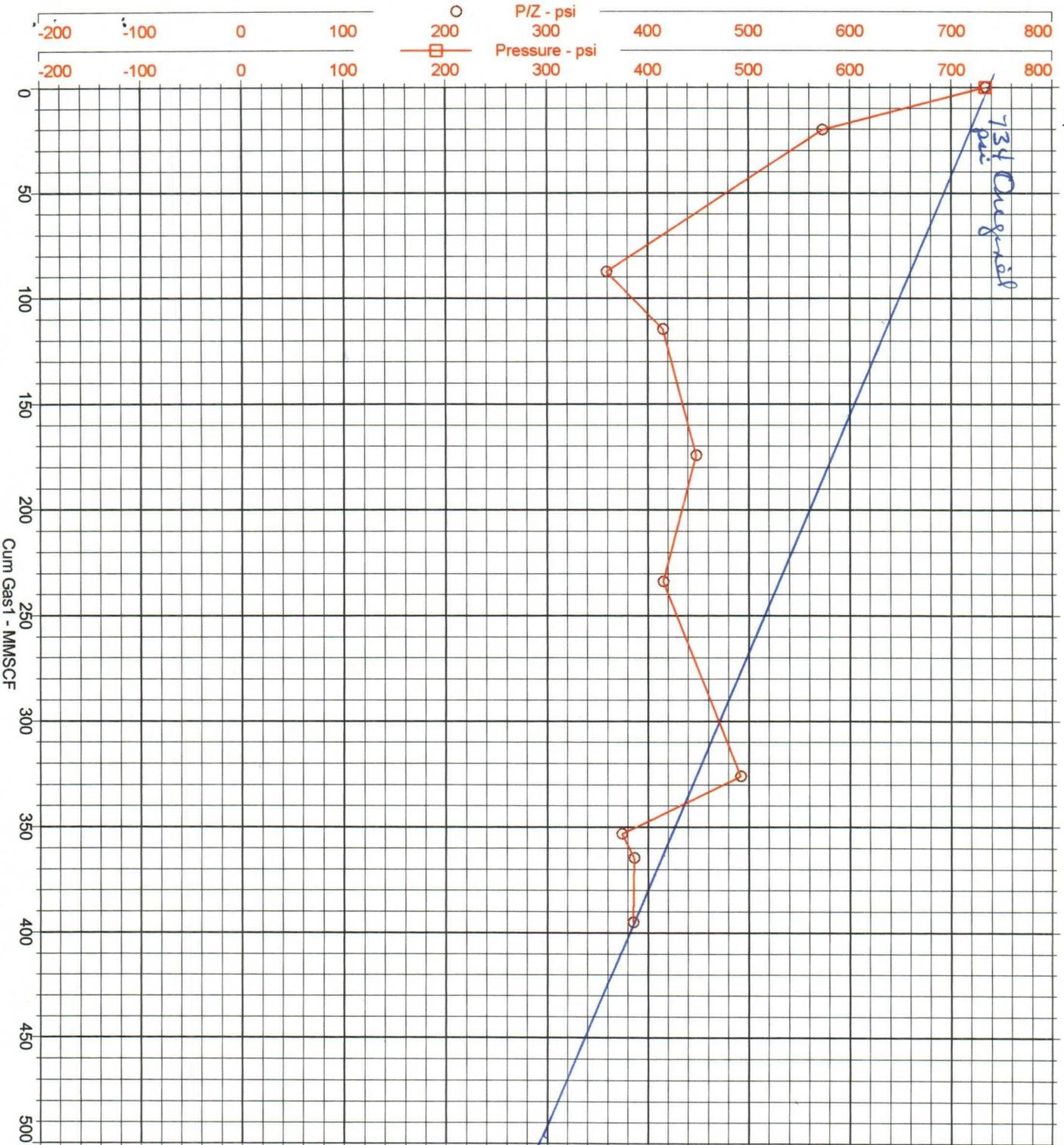
128 psi
Current

Operator: *Measurende*
 Zone: *Measurende*
 Type: Gas
 Group: None

No
 Active
 Forecast

Production Cums
 Oil: 0 MSTB
 Gas: 490,187 MMSCF
 Water: 1,08874 MSTB
 Cond: 2.77304 MSTB

○ P/Z - psi
 Cum: 0
 □ Pressure - psi
 Cum: 0



*295 psi
 Current*

INTEREST OWNERS

Hare #22 Well

ALBERT S JOHNSON

ANDREW WITTEN

ANNA CELIA HOWELL HILTON

BEN HOWELL LANGFORD

BUREAU OF LAND MANAGEMENT

BURLINGTON RESO O&G (SJB)

CHASE BANK OF TEXAS NA

CHASE BANK OF TEXAS NA TRUSTEE

CHASE BANK OF TEXAS NA TRUSTEE

DANIEL HENRY RAFFKIND &

ELIZABETH H LUND TRUSTEE

ELIZABETH J TURNER CALLOWAY

ELIZABETH WITTEN

EMILIE M HARDIE ROYALTY TRUST

EMILY D GRAMBLING

FREDERICK EUGENE TURNER

HARE PRODUCTION COMPANY LTD

J GLENN TURNER JR

JANE HARDIE TRUSTEE

JOHN A GRAMBLING

JOHN LEE TURNER

JOSEPH C JASTRZEMBSKI

JUDITH WITTEN

JUDY G ZWEIBACK

MABELLE BRAMHALL TRUSTEE

MARGUERITE JAQUEZ TRUSTEE

Tuesday, March 0

Page 1 of 2

Hare #22 Well

MAYER BOECKMAN PARTNERSHIP

NORTH AMERICAN ENERGY

PATRICIA G HARVEY

R H FEUILLE

RICHARD PARKER LANGFORD

RONALD S DAVIS M D

SAM MIZEL

SCHULTZ HENRIETTA TR

SCHULTZ MANAGEMENT L

TAMANACO OIL CORP

THORNTON HARDIE III TRUSTEE

WILLIAM G WEBB